

HART

Serial No. 09/782,051



**REMARKS**

In the response filed June 5, 2001, it has been noticed that in the corrections requested to pages 4 and 10, "AHCY" was incorrectly presented as "AHOY." Those two instances have been corrected in the present amendment.

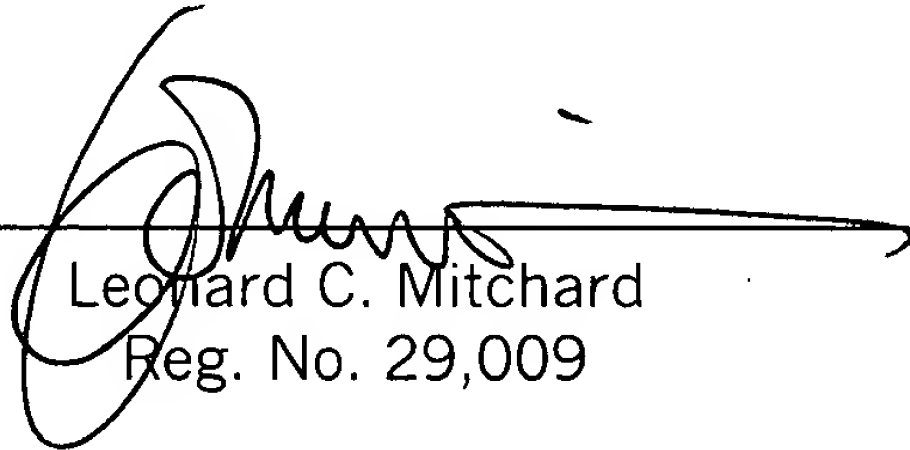
Also attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached pages are captioned "**Version With Markings To Show Changes Made.**"

Further action on this application is awaited.

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE****IN THE SPECIFICATION**

Please replace the paragraph beginning at page 4, line 20, with the following rewritten paragraph:

In its first aspect, the invention therefore provides the enzyme itself. As indicated above, the enzyme of the invention has [AHOY-type] AHCY-type activity and includes amino acids 177 to 314 of the amino acid sequence of Figure 1; more preferably amino acids 183 to 614 of the amino acid sequence Figure 1; and most preferably amino acids 1 to 614 of the amino acid sequence of Figure 1.

Please replace the paragraph beginning at page 10, line 1, with the following rewritten paragraph:

Translation of the cDNA sequence for DD4b5.3 revealed an open reading frame as-indicated in Figure 1 (SEQ ID NO:1). Comparison of the putative DD4b5.3 amino acid sequence with the AHCY sequences of human<sup>1</sup>, mouse (Genbank Accession No. L32836) and drosophila (Genbank Accession no. L95636) revealed expensive similarity to the [AHOY] AHCY sequences. (Figure 2) (SEQ ID NO:2). A further analysis of the structure is shown in Figure 3.